

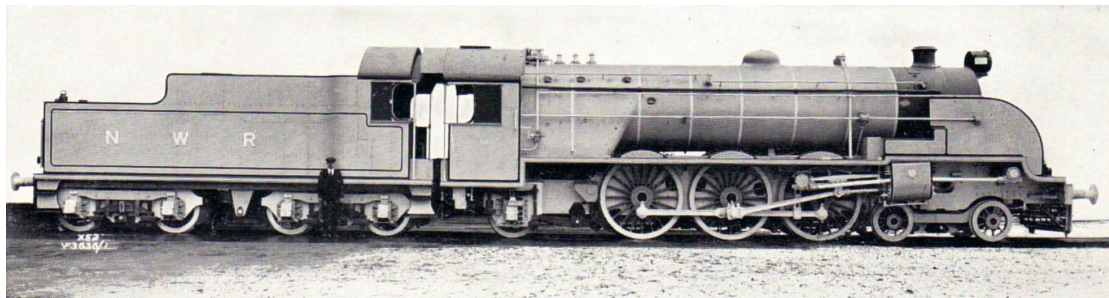
NORTH WESTERN RAILWAY, PAKISTAN



5 ft. 6 in. Gauge

1930

4-6-2(XS1 & XS2)



Cylinders.....	(4) 16 in. Diam. x 26 in. Stroke	Maximum Axleload.....	21.5 tons
Diameter Coupled Wheels.....	6 ft. 2 in.	Weight :	
Working Pressure.....	225 lb.	Engine in Working Order.....	108 "
Tractive Effort at 85% Pressure.....	34,400 lb.	Tender " "	64.15 "
		Total " "	172.15 "

In 1928 four experimental 4-cylinder 4-6-2 locomotives were ordered for operation on the North Western Railway. These were built at The Vulcan Foundry in 1930 and were all provided with camshaft operated poppet valves and large boilers with wide round-topped firebox and a working pressure of 225 lb.

The leading dimensions of all four locomotives are identical, but the XS1 are fitted with Caprotti valve gear whilst the XS2 have Lentz rotary cam valves. One engine of each type is designed with the inside and outside cranks arranged in the usual way (i.e., the inside are at 180° to the outside), but the second engine of each class has the inside cranks at 135° to the outside, thus producing eight beats per revolution of the driving wheels. The outside cylinders drive the second pair of coupled wheels and the inside cylinders drive on to the leading coupled axle.



XS Class Locomotive hauling Express Train on the N.W. Railway

All four engines are employed on express passenger duties between Peshawar and Lahore, and Lahore and Karachi, where they continue to do excellent work.

V U L C A N L O C O M O T I V E S